

The Scientific Results of the Hungarian Soil Zoological  
Expedition to the Brazzaville-Congo\*

13. The Species of the Subfamily Paussinae (Coleoptera: Carabidae)

By

E D. L U N A D E C A R V A L H O \*\*

CARABIDAE – ISOCHAETA

Subfam. Paussinae

Tribu H e t e r o p a u s s i n i

1. *Heteropaussus lujae* (WASMANN)

1 Specimen: № 185. Kindamba, Meya, Louolo River, 12. XI. 1963, leg.: S. ENDRÓDY-YOUNGA. Collected by lamplight in galery forest, on riverside. This species, described from "Congo", is also known in Northeast of Angola.

Tribu P a u s s i n i

2. *Paussus (Paussus) vethi* WASMANN

1 Specimen: ♂, № 462. Mont Foueri reservation, near Gabon, 13. XII. 1963, leg.: S. ENDRÓDY-YOUNGA. Collected by lamplight on hillside facing savannah.

A recent diagnosis of this species was presented by the author in 1965.

3. *Paussus (Paussus) cridae* GESTRO

11 Specimens: № 210, Brazzaville, ORSTOM park, 17. XI. 1963, leg.: S. ENDRÓDY-YOUNGA, light trap ( 2 specimens). — № 214, the same, 19. XI. 1963 (2 specimens). — № 238, Sibiti IHRO rain forest. — № 504, Brazza-

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ville, ORSTOM park, leg.: S. ENDRÓDY-YOUNGA, light-trap, 23. XII. 1963. — № 552, Id., 29. XII. 1963. — № 566, Id., 3i. XII. 1963. — № 574, Id., 2. I. 1964. — № 640, Lefinie reservation, 10. I. 1964, leg.: S. ENDRÓDY-YOUNGA, collected by lamplight at bungalow. — № 692, Plato Bateke, Mbé 14. I. 1964, leg.: S. ENDRÓDY-YOUNGA, collected material of car radiator, plant debris.

4. *Paussus (Paussus) burgeoni lucidus* JANNSENS  
(Fig. 1A)

1 Specimen: № 692. Plato Bateke, Mbé, 14. I. 1964, leg.: S. ENDRÓDY-YOUNGA. Collected material of car radiator, plant debris.

This is a new species to include in Congo's fauna. The *Paussus burgeoni* REICHENSPERGER (fig. 1 B) and its subspecies *lucidus* were described from Democratic Republic of Congo and the typical subspecies is known also from Angola.

There are four related species, easy identifiable by this key:

Head with a feeble elevation in the top without trichomeric comb. Antennal club more or less lens-shaped with four transversal grooves and an acute basal spur. Prothorax not angulated in the sides, slightly narrowed in the middle. Legs a few slender.

Group *inermis*, subgroup *burgeoni*

1 (6) The four transverse grooves of the antennal club have about one-third the broad of the club.

2 (5) Antennal club with the basal spur a little long and not curved. Length 6—7 mm.

3 (4) Antennal club with the basal portion curved to the base. First half of prothorax so broad as long, posterior one without a longitudinal groove (Fig. 1 B).

*Paussus burgeoni burgeoni* REICHENSPERGER

4 (3) Antennal club with the basal portion angulated to the base. First half of prothorax more broad as long, posterior one with a longitudinal groove in the middle (Fig. 1 A).

*Paussus burgeoni lucidus* JANSSENS

5 (2) Antennal club with the basal spur more a little long and curved. Length 8 mm (Fig. 1 C).

*Paussus avunculus* REICHENSPERGER

6 (1) The four transverse grooves of the antennal club are short.

7 (8) Antennal club more than two times as long as broad (Fig. 1 D).

*Paussus manni* REICHENSPERGER

8 (7) Antennal club a little less two times long as broad (Fig. 1 E).

*Paussus tchadensis* LUNA DE CARVALHO

### Catalogue of the Paussinae of the Brazzaville-Congo

1. *Cerapterus (Cerapterus) denoiti denoiti* WASMANN  
Dimonika (4.14 S, 12.25 E).

2. *Heteropaussus dohrni* (RITSEMA)  
Sibiti (3.40 S, 13.20 E).

3. *Heteropaussus lujae* (WASmann)  
Kindamba (3.50 S, 14.30 E).

4. *Heteropaussus ferranti* (REICHENSPERGER)  
Congo.

5. *Paussus (Paussus) tenuiculus* L. DE CARV.  
Odzala (0.37 N, 11.34 E).

6. *Paussus (Paussus) vethi* WASMANN  
Odzala (0.37 N, 11.34 E), Mt. Foueri (2.38 S, 11.34 E).

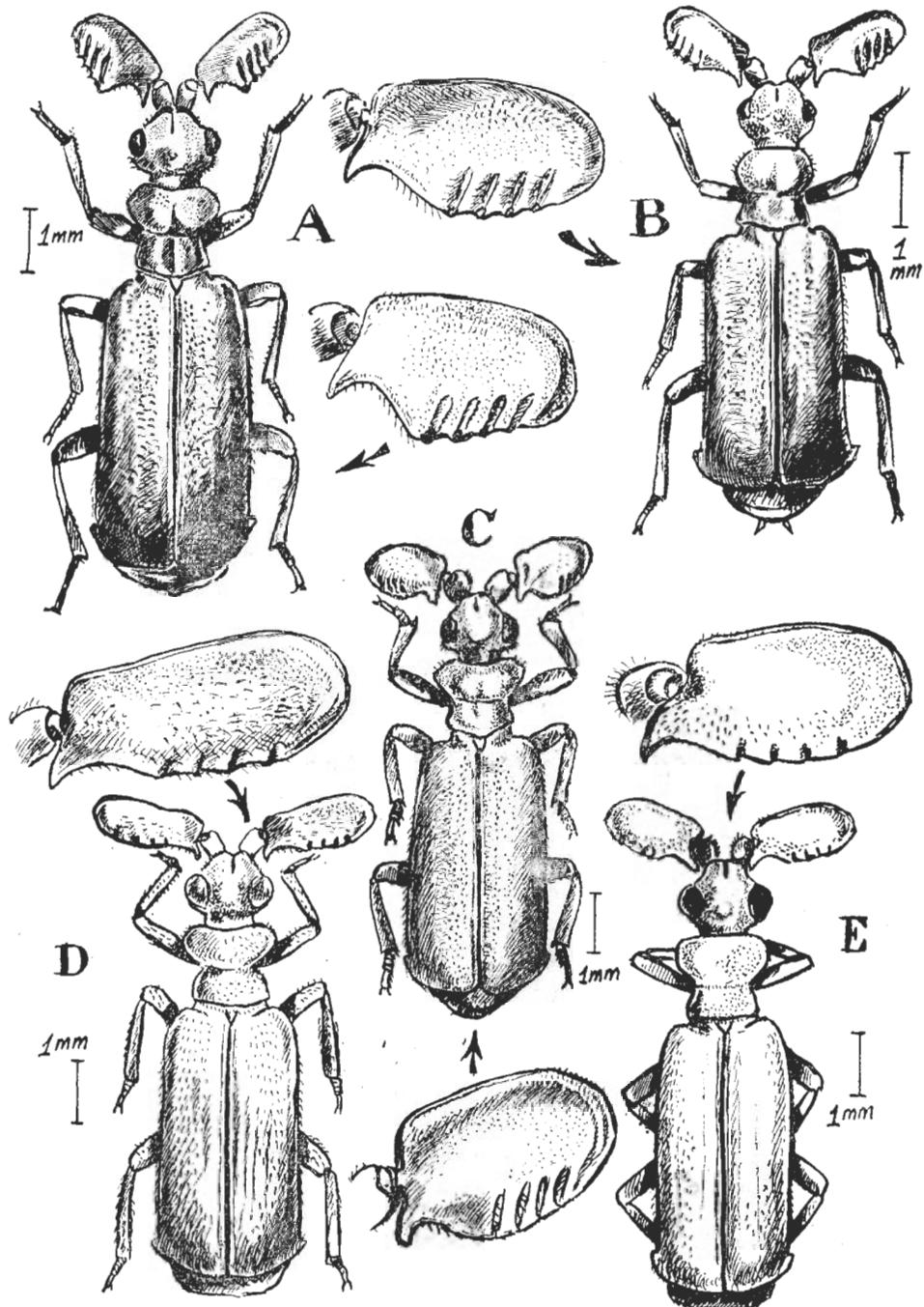


Fig. 1. A: *Paussus burgeoni lucidus* JANSSENS, Plato Bateke's specimen; B: *Passus burgeoni burgeoni* REICHENSP., specimen of Angola; C: *Paussus avunculus* REICHENSP., holotype; D: *Paussus manni* REICHENSP., Congo's specimen; E: *Paussus tchadensis* LUNA DE CARV., paratype

7. *Paussus (Paussus) cridae* GESTRO  
Dimonika (4.14 S, 12.25 E), Brazzaville (4.10 S, 15.10 E), Sibiti (3.40 S, 13.20 E), Lefinie (2.30 S, 15.29 E) and Plato Beteke (3.14 S, 15.50 E).
8. *Paussus (Paussus) incultus* REICHENSPERGER  
"Fr. Kongo".
9. *Paussus (Paussus) burgeoni lucidus* JANSSENS  
Plato Bateke (3.14 S, 15.50 E).

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